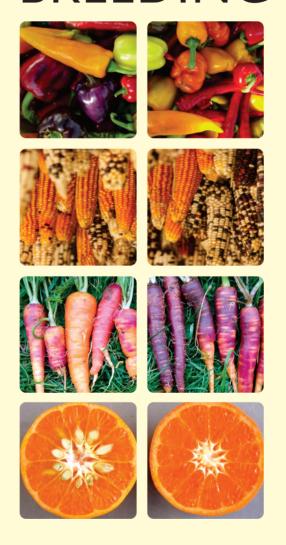
BASICS OF MUTATION BREEDING



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Basics of Mutation Breeding

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Contents

	Foreword	v
	Preface	vii
1.	Mutation and Crop Improvement	1
2.	Classification of Mutagens and Their Effects	13
	Properties of mutagen and their effects	
	I. Physical mutagens	14
	a) Ionizing radiations	14
	Alpha rays	15
	Beta rays	15
	Fast neutrons and thermal (slow) neutrons	15
	X-rays	16
	Gamma rays	16
	Mechanism of action of ionizing radiations	
	b) Nonionizing radiations	
	Ultraviolet radiations (UV)	
	II. Chemical mutagens	
	Alkylating agents	
	Base analogs	
	Acridines (Intercalating agents)	
	Deaminating agent	
	Hydroxylating agent	
	Azides	19
3.	Procedure for Mutation Breeding	21
	Biological materials	
	Gamma irradiation	
	Chemical mutagenesis	
	Combination treatments	
	Field experiments	22
	Details of the treatments	22
	Field layout	23

8.	Mutagenic Effectiveness and Efficiency	67
7.	Micromutations	55
6.	Macromutations	49
5.	Chlorophyll Mutations Mutation in M ₂ Chlorophyll mutations Segregation for chlorophyll mutations Single and multiple mutations Mutation spectrum and specificity of mutagens	41 42 44
_	Quantitative traits	
	M ₁ generation Germination and survival Plant growth Fertility Days to 50 per cent flowering	32 35 35
4.	Effect of Mutagens on Germination and Survival in M ₁ Generation	31
	1) M ₁ generation	28 28
	Non-viable mutations Mutagenic effectiveness and efficiency Statistical Analysis	26 27
	16) Seed fertility	25 25 26
	12) Number of seeds per pod 13) Seed yield per plant 14) 100 seed weight 15) Pollen fertility	25 25
	9) Number of pods per cluster 10) Number of pods per plant 11) Length of pods	24 24 25
	5) Days to 50 per cent flowering	24 24
	Seedling height on 10th day Survival on 30th day Plant height on 30th day	24 24
	Observations to be recorded	

9.	Correlation Between M ₁ and M ₂ Generation	71
10.	Variability Parameters in M ₂ and M ₃ Generations in Sesame	7 5
11.	Heritability and Genetic Advance as Percent in Sesame of Mean in M ₂ and M ₃ Generations	81
12.	Frequency Distribution in M ₂ and M ₃ Generations in Sesame	85
	References	89

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<u>Readership</u>: the book is a very conceptual and basic book meant

for all those related to breeding and genetics, propagation, biotechnology of plants.

The book covers information on various types of mutagens and their effects, procedures for using mutagens for crop improvement, types of mutations (micro and macro) with statistical techniques to handle the mutation population.

The subject matter presented in this book will be useful for both undergraduate and post graduate students of agriculture.

CONTENTS

- Mutation and crop improvement
- Classification of mutagens and their effects
- Procedure for mutation breeding
- Effect of mutagens on germination and survival in MI generation
- Chlorophyll mutations
- Macromutations
- Micromutations
- Mutagenic effectiveness and efficiency
- Correlation between MI and M2 generation
- Variability parameters in M2 and M3 generations in sesame
- Heritability and genetic advance as percent of mean in M2 and M3 generations in sesame
- Frequency distribution in M2 and M3 generations in sesame

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